

IFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

GREEN et al.

Application No.: 10/645,819

Filed: August 20, 2003

For: METHOD AND APPARATUS FOR
REAL-TIME GLOBAL ILLUMINATION
INCORPORATING STREAM PROCESSOR
BASED HYBRID RAY TRACING

Group Art Unit: 2875

Examiner: Unassigned

Atty. Docket No.: SONYP024

Date: February 4, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on February 4, 2005.

Signed: _____

Sylvia Castillo

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

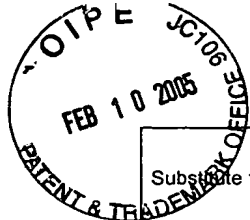
The references listed in the attached PTO Form 1449, (the copies of references which are not U.S. Patents have been attached), may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to consider these references and to acknowledge such consideration by initialing the attached PTO Form 1449 at the appropriate locations.

Applicants state that each item of information listed in the attached PTO Form 1449 was cited in a communication in a counterpart international application not more than three months prior to the filing of this statement. For the Examiner's use and information, a copy of the International Search Report in the corresponding international application is attached. In the event any fees are due to effect consideration of the references, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0805 (Order No. SONYP024).

Respectfully submitted,
MARTINE PENILLA & GENCARELLA, LLP

Michael L. Gencarella, Esq.
Reg. No. 44,703

710 Lakeway Drive, Suite 200
Sunnyvale, CA 94085
Telephone: (408) 774-6921
Customer Number 25920



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/645,819
				Filing Date	August 20, 2003
				First Named Inventor	GREEN et al.
				Art Unit	2875
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	SONYP024

U.S. Patent Documents

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A				
	B				
	C				
	D				
	E				
	F				

Foreign Patent Documents

Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
	G	EP 1 189 173 A2	3/20/02	Nintendo Co., Limited		<input type="checkbox"/>
	H	WO 98/45815	10/15/98	Intergraph Corporation		<input type="checkbox"/>
	I					<input type="checkbox"/>
	J					<input type="checkbox"/>

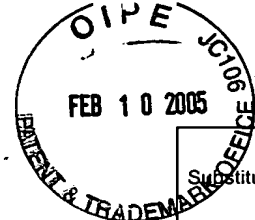
Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	K	GREEN, "Spherical Harmonic Lighting: The Gritty Detail", XP-002308100, Retrieved from the Internet: URL: http://www.research.scea.com/research/research.html , January 16, 2003
	L	KAUTZ et al., "Fast, Arbitrary BRDF Shading for Low-Frequency Lighting Using Spherical Harmonics", Proceedings of the 13 th Eurographics Workshop on Rendering, PISA, Italy 2002. Eurographics Workshop Proceedings ACM New York, NY, USA, 2002, pages 291-335, XP002308101
	M	HEIDRICH et al., "Realistic, Hardware-accelerated Shading and Lighting", Computer Graphics. SIGGRAPH 99 Conference Proceedings. Los Angeles, California, August 8-13, 1999, Computer Graphics Proceedings. SIGGRAPH, New York, NY: ACM, US, August 8, 1999, pages 171-178, XP001032897

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/645,819
				Filing Date	August 20, 2003
				First Named Inventor	GREEN et al.
				Art Unit	2875
				Examiner Name	Unassigned
Sheet	2	of	2	Attorney Docket Number	SONYP024

U.S. Patent Documents

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A				
	B				
	C				
	D				
	E				
	F				

Foreign Patent Documents

Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
	G					<input type="checkbox"/>
	H					<input type="checkbox"/>
	I					<input type="checkbox"/>
	J					<input type="checkbox"/>

Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	K	HADWIGER et al, "Hardware-Accelerated High-Quality Filtering on PC Hardwar", International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, November 21, 2001, page 105-112, 520, XP009027713
	L	McCOOL et al., "Texture Shaders", Proceedings 1999 Eurographics / SIGGRAPH Workshop on Graphics Hardware. Los Angeles, California, August 8 - 9, 1999, SIGGRAPH / Eurographics Workshop on Graphics hardware, New York, NY: ACM, US, August 8, 1999, pages 117-126, 144, XP000977118
	M	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.